## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Richard L. Dunn et al.

Title:

COUPLING SYRINGE SYSTEM AND METHODS FOR OBTAINING A MIXED

**COMPOSITION** 

Docket No.:

1195.323US1

Filed:

August 5, 2003

Examiner:

Unknown

Customer No.: 21186



Serial No.: 10/634,656

Due Date: N/A

Group Art Unit: Unknown Confirmation No.: Unknown

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.

An Information Disclosure Statement (2 pgs.), Form 1449 (7 pgs.), and copies of 43 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 60 day of November, 2003.

Gulin Abilova Name

bulon abilova

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

(GENERAL)





## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Richard L. Dunn et al.

Examiner:

Unknown

Serial No.:

10/634,656

Group Art Unit:

Unknown

Filed:

August 05, 2003

Docket:

1195.323US1

Title:

COUPLING SYRINGE SYSTEM AND METHODS FOR OBTAINING A MIXED

**COMPOSITION** 

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

Title: COUPLING SYRINGE SYSTEM AND METHODS FOR OBTAINING A MIXED COMPOSITION

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

The present application is either a U.S. national patent application filed after June 30, 2003 or an international application that entered the national stage under 35 U.S.C. § 371 after June 30, 2003. Thus, Applicant believes that the U.S. Patent & Trademark Office has waived the requirement under 37 C.F.R. 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication. The waiver is provided in a pre-OG notice from the U.S. Patent & Trademark Office entitled "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003" and dated July 11, 2003. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

Respectfully submitted,

RICHARD L. DUNN ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938

Minneapolis, MN 55402

(612) 359-3261

Date 1//6/63

Reg. No. 45,458

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 6th day of November, 2003.

Gulim Abilova

Signatura

PTO/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 651-0031
US Patient & Trademark Office: U.S. DEPARTMENT OF COMMERCE
of the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/634656 **Application Number** STATEMENT BY APPLICANT August 5, 2003 Filing Date (Use as many sheets as necessary) Dunn, Richard **First Named Inventor** MON 1 0 5003 Unknown **Group Art Unit** Unknown **Examiner Name** Attorney Docket No: 1195.323US1 Sheet 1 of 7

		US P	ATENT DOCUMENT	S		
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US- 2001/0042317	11/22/2001	Yarborough, C. L., et al.	34	287	07/20/2001
	US-2,155,658	04/25/1939	Hermann, Willy O., et al.			
	US-2,353,986	07/18/1944	Barr, C. H.	34	5	11/07/1938
	US-2,549,417	04/17/1951	Brown, F.E.	604	90	08/10/1949
	US-3,068,188	12/11/1962	Beste, Lawrence F., et al.			
	US-3,218,283	11/16/1965	Miller, Wesley L., et al.			
	US-3,219,527	11/23/1965	Gurney, Benjamin F.			
	US-3,328,246	06/27/1967	Gottfried, Siegfried, et al.			
	US-3,454,178	07/08/1969	Bender, C. E., et al.	215	37	01/10/1966
	US-3,458,622	07/29/1969	Hill, John A.			
	US-3,463,158	08/26/1969	Schmitt, E. E., et al.			
	US-3,477,431	11/11/1969	Walecka, L.E.	604	89	02/03/1967
	US-3,520,949	07/21/1970	Shepard, T. H., et al.	260	857	07/26/1966
	US-3,696,811	10/10/1972	Chen, James L., et al.			
	US-3,755,558	08/28/1973	Scribner, Richard M., et al.			
	US-3,760,034	09/18/1973	Critchfield, Frank E., et al.			
	US-3,767,784	10/23/1973	Gluck, Seymour M.	424	28	12/01/1970
	US-3,887,699	06/03/1975	Yolles, Seymour			
	US-3,919,773	11/18/1975	Freeman, Frank H.			
	US-3,931,678	01/13/1976	O'Sullivan, Denis J., et al.			
	US-3,935,308	01/27/1976	Wise, Donald L., et al.			
	US-3,939,111	02/17/1976	Schollenberger, Charles S., et al.			
	US-3,949,073	04/06/1976	Daniels, John R., et al.			
	US-3,975,350	08/17/1976	Hudgin, Donald E., et al.			
	US-4,030,498	06/21/1977	Tompkins, D. L.	128	218 P	07/22/1976
	US-4,040,421	08/09/1977	Young, H. T.	128	218 N	07/06/1976
	US-4,088,798	05/09/1978	Michaelis, Arthur F.			

**DATE CONSIDERED EXAMINER** 

PTO/SB/084(10-01)
Approved for use through 10/31/2002. OMB 651-0031
US Petent & Trademark Office. U.S. DEPARTMENT OF COMMERCE
The Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/634656 **Application Number** STATEMENT BY APPLICANT August 5, 2003 **Filing Date** (Use as many sheets as necessary) Dunn, Richard **First Named Inventor** MOV 1 0 2003 **Group Art Unit** Unknown Unknown **Examiner Name** Attorney Docket No: 1195.323US1 Sheet 2 of 7

	т			7	
US-4,127,127	11/28/1978	Wong, Patrick S., et al.			
US-4.148.871	04/10/1979				
	<del> </del>				
	<del> </del>		128	218 M	07/05/1977
				·	10/23/1978
					03/03/1980
			•	<u> </u>	
US-4,408,023	10/04/1983	Gould, Francis E., et			
US-4,439,420	03/27/1984	Mattei, Frank V., et al.			
US-4,443,430	04/17/1984	Mattei, Frank V., et al.			
US-4,447,562	05/08/1984	Ivani, Edward J.			
US-4,450,140	05/22/1984	Sidman, Kenneth R.			
US-4,450,150	05/22/1984	Sidman,	424	1.1	
US-4,451,452	05/29/1984	Deibig, Heinrich , et al.			
US-4,452,473	06/05/1984	Ruschke, R. R.	285	81	07/26/1982
US-4,455,256	06/19/1984	Urist, Marshall R.			
US-4,491,479	01/01/1985	Lauchenauer, Alfred E.			
US-4,501,719	02/26/1985	Williams, C. D.	422	102	07/30/1982
US-4,506,681	03/26/1985	Mundell, P. J.	128	92 D	10/26/1982
US-4,526,909	07/02/1985	Urist, Jeffrey R., et al.			
	07/01/1985				
		ł			
US-4,568,536	02/04/1986	Kronenthal, Richard			
US-4,570,629	02/18/1986	Widra, Abe			
US-4,582,640	04/15/1986	Smestad, Thomas L., et al.			
US-4,595,713	06/17/1986	St. John, Kenneth			
US-4,596,574	06/24/1986	Urist, Marshall R.			
US-4,614,787	09/30/1986	Szycher, Michael , et al.			
US-4,619,989	10/28/1986	Urist, Marshall R.			
US-4,631,055	12/23/1986	Redl, H., et al.	604	82	02/26/1985
US-4,631,188	12/23/1986	Stoy, Vladimir A., et al.			
US-4,650,665	03/17/1987	Kronenthal, Richard L., et al.			
US-4,663,077	05/05/1987	Rei, Nuno M., et al.			
	US-4,148,871 US-4,161,948 US-4,188,949 US-4,240,426 US-4,286,389 US-4,294,753 US-4,408,023 US-4,443,430 US-4,447,562 US-4,450,140 US-4,450,150 US-4,452,473 US-4,452,473 US-4,455,256 US-4,491,479 US-4,501,719 US-4,506,681 US-4,526,938 US-4,563,489 US-4,563,489 US-4,563,489 US-4,563,489 US-4,595,713 US-4,595,713 US-4,596,574 US-4,614,787 US-4,619,989 US-4,631,055 US-4,631,188 US-4,650,665	US-4,148,871	US-4,148,871 04/10/1979 Pitt, Colin G., et al. US-4,161,948 07/24/1979 Bichon, Daniel US-4,188,949 02/19/1980 Antoshkiw, W. T. US-4,240,426 12/23/1980 Akhavi, D. S. US-4,286,389 09/01/1981 Ogle, R. W. US-4,294,753 10/13/1981 Urist, Marshall R. US-4,408,023 10/04/1983 Gould, Francis E., et al. US-4,439,420 03/27/1984 Mattei, Frank V., et al. US-4,447,562 05/08/1984 Ivani, Edward J. US-4,450,140 05/22/1984 Sidman, Kenneth R. US-4,450,150 05/22/1984 Sidman, Kenneth R. US-4,451,452 05/29/1984 Sidman, Urist, Marshall R. US-4,452,473 06/05/1984 Urist, Marshall R. US-4,451,452 05/29/1984 Urist, Marshall R. US-4,451,479 01/01/1985 Urist, Marshall R. US-4,506,681 03/26/1985 Williams, C. D. US-4,506,681 03/26/1985 Williams, C. D. US-4,506,681 03/26/1985 Urist, Jeffrey R., et al. US-4,526,938 07/01/1986 Urist, Marshall R. US-4,563,489 01/07/1986 Urist, Marshall R. US-4,563,489 01/07/1986 Urist, Marshall R. US-4,568,536 02/04/1986 Urist, Marshall R. US-4,596,713 06/17/1986 Urist, Marshall R. US-4,595,713 06/17/1986 Urist, Marshall R. US-4,596,74 06/24/1986 Urist, Marshall R. US-4,614,787 09/30/1986 Urist, Marshall R. US-4,614,787 09/30/1986 Urist, Marshall R. US-4,614,787 09/30/1986 Urist, Marshall R. US-4,631,055 12/23/1986 Redl, H., et al. US-4,631,188 12/23/1986 Kronenthal, Richard L., et al. US-4,650,665 03/17/1987 Kronenthal, Richard L., et al.	US-4,121,121   UJ-4,148,871   O4/10/1979   Pitt, Colin G., et al.     US-4,161,948   O7/24/1979   Bichon, Daniel     US-4,188,949   O2/19/1980   Antoshkiw, W. T.   128     US-4,286,389   O9/01/1981   Ogle, R. W.   34     US-4,294,753   10/13/1981   Urist, Marshall R.     US-4,408,023   10/04/1983   Gould, Francis E., et al.     US-4,439,420   O3/27/1984   Mattei, Frank V., et al.     US-4,443,430   O4/17/1984   Ivani, Edward J.     US-4,450,140   O5/22/1984   Sidman, Kenneth R.     US-4,450,150   O5/22/1984   Sidman, Kenneth R.     US-4,451,452   O5/29/1984   Sidman, Edward J.     US-4,451,452   O5/29/1984   Sidman, Kenneth R.     US-4,451,452   O5/29/1984   Urist, Marshall R.     US-4,450,1719   O1/01/1985   Urist, Marshall R.     US-4,506,681   O3/26/1985   Williams, C. D.   422     US-4,506,681   O3/26/1985   Williams, C. D.   422     US-4,526,909   O7/02/1985   Urist, Jeffrey R., et al.     US-4,563,489   O1/07/1986   Urist, Marshall R.     US-4,568,536   O2/04/1986   Urist, Marshall R.     US-4,595,713   O6/17/1986   Urist, Marshall R.     US-4,596,574   O6/24/1986   Urist, Marshall R.     US-4,614,787   O9/30/1986   Urist, Marshall R.     US-4,631,055   12/23/1986   Redl, H., et al.     US-4,631,188   12/23/1986   Urist, Marshall R.     US-4,650,665   O3/17/1987   Kronenthal, Richard L., et al.     US-4,650,665   O3/17/1987   Kronenthal, Richard L., et al.     US-4,650,665   O3/17/1986   Urist, Marshall R.     US-4,631,188   12/23/1986   Urist, Marshall R.     US-4,650,665   O3/17/1987   Kronenthal, Richard L., et al.     US-4,650,665   O3/17/1987   Urist, Marshall R.     US-4,650,665   O3/17/1987   Urist, Marshall R.	US-4,148,871 04/10/1979 Pitt, Colin G., et al. US-4,161,948 07/24/1979 Bichon, Daniel US-4,188,949 02/19/1980 Antoshkiw, W. T. 128 218 M US-4,240,426 12/23/1980 Akhavi, D. S. 128 218 N US-4,286,389 09/01/1981 Ogle, R. W. 34 5 US-4,294,753 10/13/1981 Urist, Marshall R. US-4,408,023 10/04/1983 Gould, Francis E., et al. US-4,439,420 03/27/1984 Mattei, Frank V., et al. US-4,443,430 04/17/1984 Mattei, Frank V., et al. US-4,447,562 05/08/1984 Sidman, Kenneth R. US-4,450,140 05/22/1984 Sidman, Kenneth R. US-4,450,150 05/22/1984 Sidman, 424 1.1 US-4,451,452 05/29/1984 Delbig, Heinrich , et al. US-4,451,452 05/29/1984 Urist, Marshall R. US-4,451,479 01/01/1985 Urist, Marshall R. US-4,501,719 02/26/1985 Williams, C. D. 422 102 US-4,506,681 03/26/1985 Williams, C. D. 422 102 US-4,506,681 03/26/1985 Windell, P. J. 128 92 D US-4,563,489 07/01/1985 Urist, Jeffrey R., et al. US-4,563,489 07/01/1986 Urist, Marshall R. US-4,568,536 02/04/1986 Urist, Marshall R. US-4,595,713 06/17/1986 Urist, Marshall R. US-4,595,713 06/17/1986 Urist, Marshall R. US-4,614,787 09/30/1986 Urist, Marshall R. US-4,631,055 12/23/1986 Redl, H., et al. US-4,650,665 03/17/1987 Kronenthal, Richard L., et al. US-4,631,188 12/23/1986 Redl, H., et al. US-4,650,665 03/17/1987 Kronenthal, Richard L., et al.

**DATE CONSIDERED EXAMINER** 

	Under the Paperwork Reduction Act of 1995, no persons are r	equired to respond to a collection of information unless it contains a valid OMB control number.
Substitute for form 1449A/PTO	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	10/634656
(Use as many sheets as necessary)	Filing Date	August 5, 2003
3910	First Named Inventor	Dunn, Richard
/ 5	Group Art Unit	Unknown
( NOV 1 0 2003 🕏	Examiner Name	Unknown
Sheet 3 of 7	Attorney Docket No: 1	195.323US1
The state of the s		

110 4 070 200	06/16/1097	Urbaniak B	604	211	10/27/1983
US-4,673,396	06/16/1987	Urbaniak, R.	604	211	10/27/1963
US-4,677,139	06/30/1987	Feinmann, Bernhard P., et al.			
US-4,702,917	10/27/1987	Schindler, Anton	424	422	11/18/1985
US-4,715,369	12/29/1987	Suzuki, Yoshiki, et al.			
US-4,729,208	03/08/1988	Galy, M., et al.	53	432	06/25/1987
US-4,743,229	05/10/1988	Chu, G.	604	82	09/29/1986
US-4,745,160	05/17/1988	Churchill, Jeffrey R., et al.			
US-4,758,230	07/19/1988	Rycroft, A. K.	604	118	02/20/1986
US-4,761,471	08/02/1988	Urist, Marchall R.			
US-4,766,908	08/30/1988	Clement, T. P.	128	765	01/12/1987
US-4,767,627	08/30/1988	Caldwell, Larry J., et al.			·
US-4,767,861	08/30/1988	Boulware, Richard			
US-4,772,470	09/20/1988	Inoue, Yuichi, et al.			
US-4,774,227	09/27/1988	Piez, Karl A., et al.			
US-4,780,320	10/25/1988	Baker, Richard W.			
US-4,789,732	12/06/1988	Urist, Marshall R.			
US-4,793,336	12/27/1988	Wang, Paul Y.			
US-4,795,804	01/03/1989	Urist, Marshall R.			
US-4,800,219	01/24/1989	Murdoch, Joseph R., et al.			
US-4,804,691	02/14/1989	English, James P., et al.	523	118	
US-4,857,456	08/15/1989	Urist, Marshall R.			
US-4,857,602	08/15/1989	Casey, Donald J., et al.			
US-4,863,472	09/05/1989	Tormala, P., et al.	623	16	09/02/1987
US-4,892,733	01/09/1990	Bichon, Daniel, et al.			
US-4,894,373	01/16/1990	Urist, Ronald L.			
US-4,902,296	02/20/1990	Bolander, Mark E., et al.			
US-4,904,478	02/01/1990	Walsdorf, et al.			
US-4,905,680	03/06/1990	Tunc, Deger			
US-4,911,931	03/27/1990	Baylink, David J.			
US-4,912,141	03/27/1990	Kronman, Joseph H.			
US-4,916,241	04/10/1990	Hayward, Marshall A., et al.			
US-4,919,939	04/24/1990	Baker, Richard W.			
US-4,920,203	04/24/1990	Tang, Reginald E., et al.			
US-4,921,697	05/01/1990	Peterlik, Meinrad, et al.			

DATE CONSIDERED **EXAMINER** 

PTO/SB/08A(10-01)
Approved for use through 10/31/2002, OMB 651-0031
US Patent & Trademerk Office: U.S. DEPARTMENT OF COMMERCE
on of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/634656 **Application Number** STATEMENT BY APPLICANT August 5, 2003 سبولاUse as many sheets as necessary) Filing Date Dunn, Richard **First Named Inventor** Unknown **Group Art Unit Examiner Name** Unknown Attorney Docket No: 1195.323US1

_		4	_£	7	
5	heet	4	OI	1	

US-4,932,973	06/12/1990	Gendler, El			
US-4,933,182	06/01/1990	Higashi, et al.			
US-4,938,763	07/03/1990	Dunn, R. L., et al.	604	891.1	10/03/1988
US-4,939,131	07/03/1990	Benedict, James J., et al.			
US-4,942,157	07/17/1990	Gall, Rudi, et al.			
US-4,946,870	08/07/1990	Partain III, Emmett M., et al.			
US-4,961,707	10/09/1990	Magnusson, Ingvar, et al.			
US-4,978,336	12/18/1990	Capozzi, E. E., et al.	604	82	10/03/1989
US-4,981,696	01/01/1991	Loomis, Gary L., et al.			
US-4,983,689	01/08/1991	Yu, Simon H.			
US-4,994,029	02/19/1991	Rohrbough, J.	604	88	09/12/1989
US-5,007,940	04/16/1991	Berg, Eric P.			
US-5,013,553	05/07/1991	Southard, G. L., et al.			
US-5,077,049	12/31/1991	Dunn, R. L., et al.	424	426	07/24/1989
 US-5,116,315	05/26/1992	Capozzi, E E., et al.	604	82	12/29/1989
US-5,149,052	09/22/1992	Stoy, Vladimir A., et al.	249	105	11/16/1987
US-5,234,529	08/10/1993	Johnson, W. L.	156	345	10/10/1991
US-5,250,584	10/05/1993	Ikada, Yoshito, et al.			
 US-5,278,201	01/11/1994	Dunn, R. L., et al.	523	113	04/24/1990
 US-5,278,202	01/11/1994	Dunn, R. L., et al.	523	113	12/23/1991
US-5,286,763	02/15/1994	Gerhart, Tobin N., et al.			
US-5,324,519	06/28/1994	Dunn, R. L., et al.	424	426	10/28/1991
US-5,324,520	06/28/1994	Dunn, et al.			
US-5,340,849	08/23/1994	Dunn, Richard L., et al.			
US-5,368,859	11/29/1994	Dunn, Richard L., et al.			
US-5,487,897	01/30/1996	Polson, A. M., et al.	424	426	09/28/1993
US-5,489,266	02/06/1996	Grimard, J. P.	604	89	01/25/1994
US-5,556,279	09/17/1996	Wolf, L. H., et al.	433	82	12/01/1994
US-5,566,729	10/22/1996	Grabenkort, R. W., et al.	141	25	04/06/1995
US-5,599,552	02/04/1997	Dunn, R. L., et al.	424	423	05/26/1994
US-5,637,100	06/10/1997	Sudo, Morihiro	604	238	10/03/1995
US-5,660,849	08/26/1997	Polson, A. M., et al.	424	426	08/23/1994
US-5,702,716	12/30/1997	Dunn, R. L., et al.	424	422	06/02/1993
US-5,779,668	07/14/1998	Grabenkort, R. W.	604	89	03/21/1996

**EXAMINER** 

**DATE CONSIDERED** 

PTO/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 651-0031
US Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE
US Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/634656 **Application Number** STATEMENT BY APPL August 5, 2003 **Filing Date** Dunn, Richard **First Named Inventor Group Art Unit** Unknown Unknown **Examiner Name** Attorney Docket No: 1195.323US1 Sheet 5 of 7

US-5,788,670	08/04/1998	Reinhard, Michael, et al.	604	89	12/22/1995
US-5,893,842	04/13/1999	Imbert, C.	604	110	03/20/1997
 US-5,908,054	06/01/1999	Safabash, J. H., et al.	141	26	01/30/1998
 US-5,928,215	07/27/1999	Caizza, R. J., et al.	604	411	06/04/1998
US-5,947,933	09/07/1999	Reichenbach, E. P., et al.	604	198	09/30/1998
US-5,951,160	09/14/1999	Ronk, R.	366	130	11/20/1997
 US-5,957,166	09/28/1999	Safabash, J. H.	141	26	06/16/1997
US-6,071,530	06/06/2000	Polson, Alan M., et al.	424	426	06/26/1997
US-6,090,092	07/18/2000	Fowles, T. A., et al.	604	413	12/04/1997
US-6,106,502	08/22/2000	Richmond, Frank	604	246	06/26/1997
US-6,106,783	08/22/2000	Gamble, K. R.	422	102	06/30/1998
US-6,136,273	10/24/2000	Seguin, D. J., et al.	422	99	11/18/1998
US-6,139,530	10/31/2000	Hiejima, K., et al.	604	140	03/22/1999
US-6,143,276	11/07/2000	Unger, E. C.	424	9.3	03/21/1997
US-6,174,304	01/16/2001	Weston, T. E.			
US-6,197,194	03/06/2001	Whitmore, E.			
US-6,223,786	05/01/2001	Castellano, T. P.			
US-6,241,949	06/05/2001	Kane, Thomas E.	422	102	08/17/1999
US-6,290,680	09/18/2001	Forsberg, M., et al.	604	232	09/22/1998
US-6,302,160	10/16/2001	Castellano, T. P.			
US-6,364,865	04/02/2002	Lavi, G.	604	411	11/12/1999

		FOREIGN PATEN	T DOCUMENTS			
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	CA-1261549 ✓	09/01/1989	Seyedin, Saeid, et al.			
	CA-2254361	05/19/1999	Otto, T.	A61 M	5/31	
	DE-19702564/	09/17/1998	Goldstein, W.	F25D	3/10	
	DE-19751226	01/28/1999	Vetter, H., et al.	B65B	3/04	
	DE-2917037 /	04/01/1980	Anmelder, Gleich			
	DE-3311525	10/04/1984	Vetter, H.	F26B	5/06	
	EP-0140766	05/08/1985	Goodson, Max J.			
	EP-0169016 /	07/01/1985	Seyedin, Saeid, et al.			
	EP-0171173 /	07/01/1985	Scantlebury, Todd V.			
,	EP-0241178 /	03/01/1987	Higashi, Kiyotsugu			
	EP-0242956 <sup>/</sup>	10/28/1987	Howson, D. C.	A61 M	5/28	
	EP-0244118 /	04/01/1987	Baker, Richard W.			
	EP-0271831 /	06/01/1988	Hare, Pamela H., et al.			
	EP-0297535 /	01/01/1989	Southard, G. L., et al.			

**EXAMINER** 

DATE CONSIDERED

PTO/SB/08A(10-01)
Approved for use through 10/31/2002, OMB 651-0031
ant & Trademark Office: U.S. DEPARTMENT OF COMMERCE
formation unless it contains a valid CNAR contain.

Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/634656 STATEMENT BY APPLICANT August 5, 2003 Filing Date (Use as many sheets as necessary) Dunn, Richard **First Named Inventor** Unknown NOV 1 0 2003 **Group Art Unit Examiner Name** Unknown Attorney Docket No: 1195.323US1

Cuamina:	Farsian Decument No	FOREIGN PATEN		r	1	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
	EP-0430474	06/05/1991~	Damani, N. C.	A61K	9/70	<u> </u>
	EP-0537559	04/21/1993 /	Dunn, Richard L., et al.			
	EP-0539751	05/05/1993 ~	Dunn, R. L., et al.	A61K	9/00	
	EP-0560014	01/01/1993 /	Tipton, Arthur J., et al.			
	EP-0649662	08/01/1994 /	Polson, Alan M., et al.			
	EP-0743072	11/20/1996 /	Thibault, JC., et al.	A61 M	5/315	
	FR-1109316 V	01/24/1956 /	Walter, M. R.	19	4	
	FR-2635685	03/01/1990 /	Ikada, Yoshito, et al.			
	GB-2197658	05/01/1988 /	Holker, James R., et al.			
	GB-2223027	03/28/1990 /	Yoshito, I., et al.	A61L	15/00	
	JP-5-504941	07/29/1993		A61K	6/00	
	JP-6-196132	07/15/1994 /	Atsunori, O., et al.	H01J	65/04	
	NZ-226514	02/01/1990 /				
	WO-85/00969	03/14/1985 /	Stoy, Deladimir, et al.			
	WO-85/02092	05/23/1985 /	Robinson, Joseph R.			
	WO-85/03445	08/15/1985 /	Gogolewski, Sylwester			
	WO-89/01006	02/01/1989 /	Domb, Abraham J., et al.			
	WO-90/00067	01/01/1990 1/	Bowald, Staffan F., et al.			
	WO-90/07308	07/01/1990 /	Lundgren, Dan			
	WO-91/01126	07/24/1989 /	Dunn, Richard L., et al.	A61K	6/00	
		1				

	OTHER	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		"Encyclopedia of Polymer Science and Engineering", John Wiley & Sons, Inc., Vol. 2, (1985), 236-237	
	J	"Lyophilization", McGraw-Hill Concise Encyclopedia of Science & Technology, Fourth Edition, Sybil P. Parker, Editor in Chief, (1998), p. 1128	
	/	BILLMEYER, Textbook of Polymer Science, 3rd Ed., (1984), 390-391	
	.J	GILDING, D. K., "Biodegradable Polymers [for implant]", Biocompat. Clin. Implant Mater, (1981), 209-232	
	J	HOLLAND, SIMON J., et al., "Polymers-for Biodegradable Medical Devices, 1, The Potential of Polyesters and Controlled Macromolecular Release Systems", Journal of Controlled Release, 4, (1986), 155-180	
	J	JUNI, KAZUKIKO, et al., "Control of Release Rate of Bleomycin from Polyactic Acid Microspheres by Additives", Chemical & Pharmaceutical Bulletin, 33(4), (1985), 1609-1614	
		MAGNUSSON, I., et al., "New Attachment Formation Following Controlled	

Kidd, G. L.

03/27/1997 /

**EXAMINER** 

WO-97/11155

Sheet 6 of 7

**DATE CONSIDERED** 

C12

Μ

1/00

Approved for use through 10/31/2002. ONB 651-0031
US Pater & Trademark Office. U.S., DEPARTMENT OF COMMENTED
US Pater & Trademark Office. U.S., DEPARTMENT OF COMMENTED
under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE STATEMENT BY APPLICANT PE **Application Number** 10/634656 August 5, 2003 (Use as many sheets as necessary) Filing Date **First Named Inventor** Dunn, Richard MOV 1 0 2003 Unknown **Group Art Unit Examiner Name** Unknown Attorney Docket No: 1195.323US1 Sheet 7 of 7

	OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
	1	Tissue Regeneration Using Biodegradable Membranes", <u>J. Periodontology, 59,</u> (1988), 1-6				
	1	SALONEN, J. I., et al., "Migration of Epithelial Cells on Materials Used in Guided Tissue Regeneration", J. Periodont. Res. 25, (1990), 215-221				